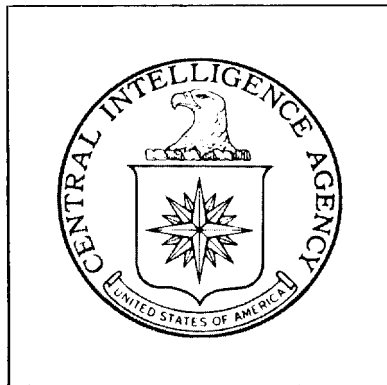


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DIRECTORATE OF
INTELLIGENCE

Imagery Analysis Report

Petropavlovsk Naval Complex

Petropavlovsk, USSR



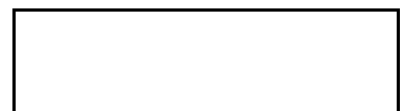
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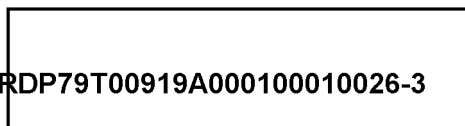
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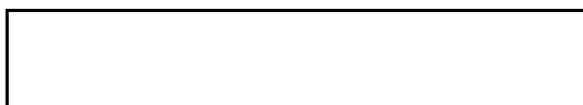
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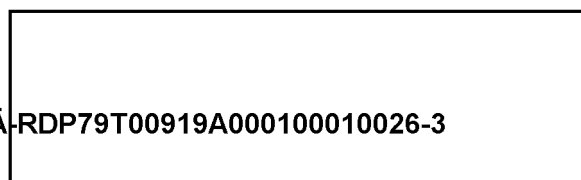
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PETROPAVLOVSK NAVAL COMPLEX

PETROPAVLOVSK, USSR



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PETROPAVLOVSK NAVAL COMPLEX

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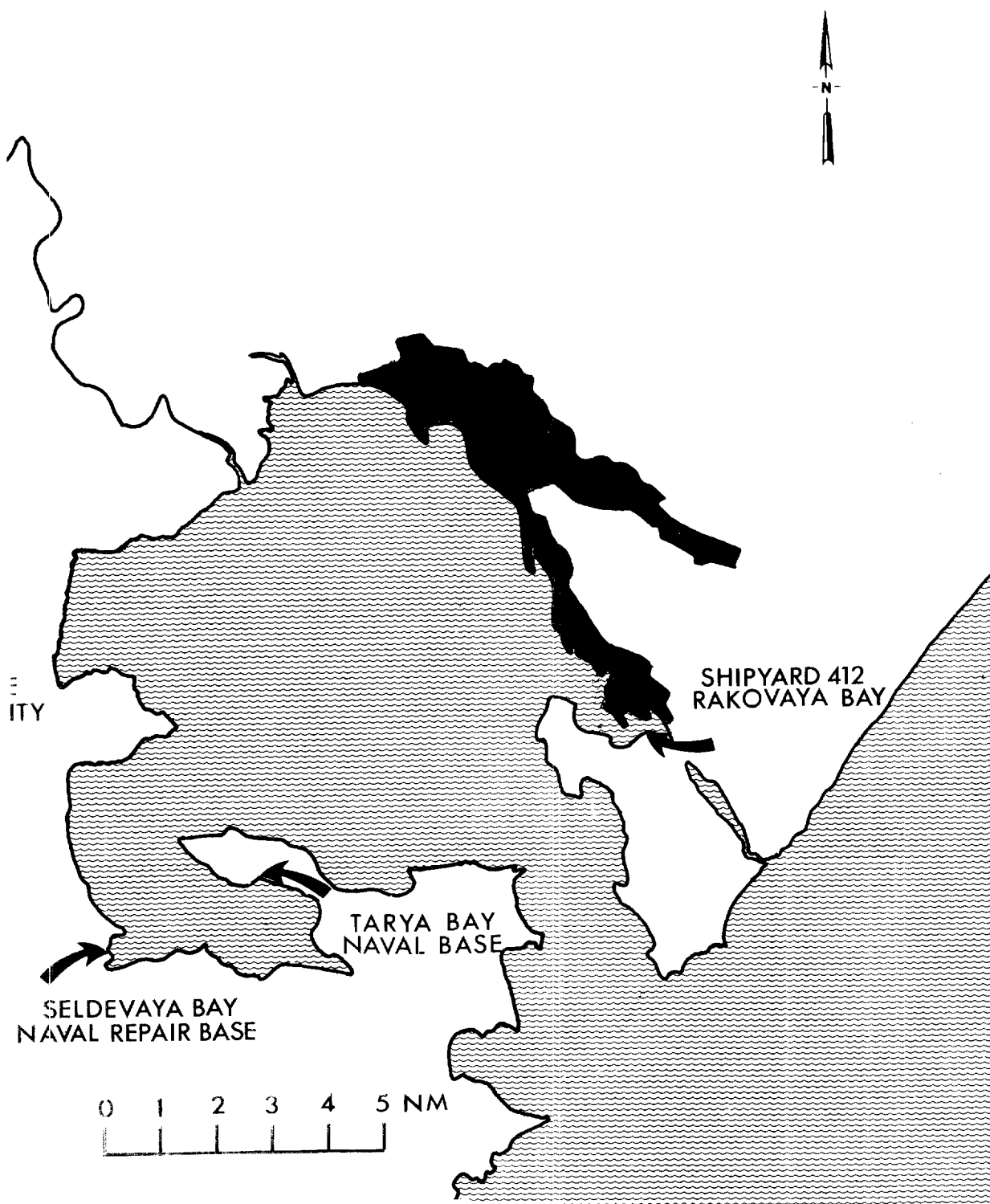


FIGURE 1

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PETROPAVLOVSK NAVAL COMPLEX

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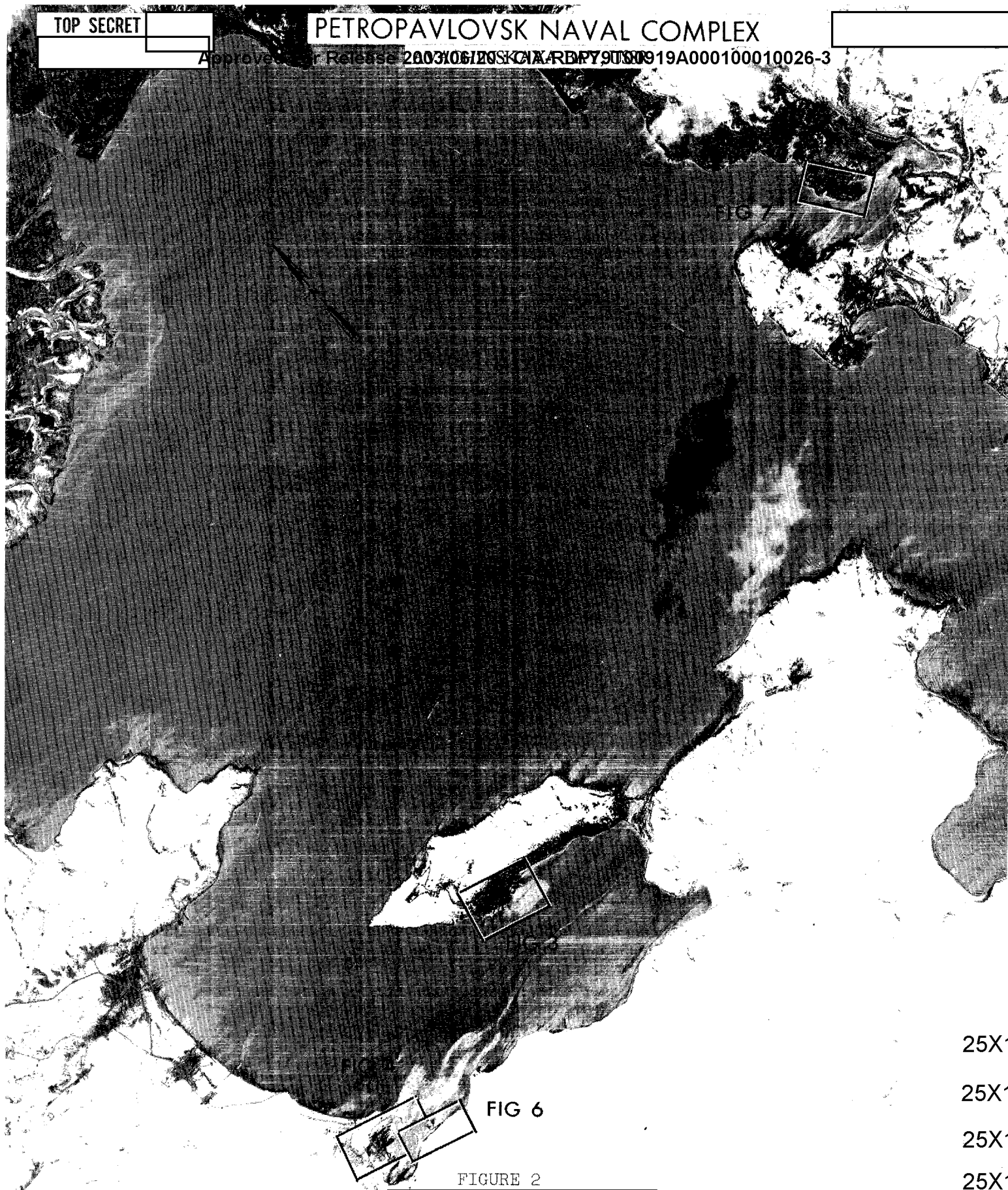


FIG 6

FIGURE 2

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IMAGERY ANALYSIS SERVICE

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FACILITY : PETROPAVLOVSK NAVAL BASE TARYA BAY
 LOCATION : PETROPAVLOVSK, USSR
 GEO COORDS: 52-55N 158-34E

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KEY TO NUMBERED ANNOTATIONS ON FIGURE 3

1. Ten Small Craft (berthed along both sides of a pier).
2. Possible Auxiliary (LOA approximately 120 feet).*
3. Unidentified Probable Auxiliary (LOA approximately 290 feet).
 This ship appears to have a combatant type hull with its superstructure positioned amidship. A raised circular object is visible immediately abaft the raised bow and may possibly equate to a gunmount platform. A small deckhouse is visible abaft the superstructure. The after one-third of the ship is completely stripped with the exception of three small raised objects offset slightly to the port side.
4. "L" Class OSS (visible waterline length approximately 265 feet).
 Identification of this vessel is based on proportional analysis of the sail, the location of the gun tub, and the blunt stern.
5. Floating Dock.
 Approximate dimensions for this dock are as follows: LOA of walls - 395 feet; maximum outer width - 90 feet; inner dock width [REDACTED] This dock is occupied by three "T-43" Class MSF (LOA of each approximately 190 feet) and two small craft (LOA of each approximately 85 feet). A small jib crane is positioned on the eastern end of the northern wall of the dock.
6. Transporter Dock.
 Approximate dimensions for this dock are as follows: LOA - 370 feet; maximum outer width [REDACTED] inner dock width [REDACTED] This dock is occupied by a "T-43" Class MSF (LOA approximately 190 feet) and a small craft (LOA approximately 80 feet).

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* All measurements have been made by the CIA/IAS analyst.

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7. NEVA AS (LOA approximately 465 feet).
Identification is based on overall appearance, hull shape and a proportional analysis of the following visible topside detail: well deck forward; navigation bridge; long superstructure; and a tall stick mast positioned on a raised platform near the stern.
8. "G-I" Class SSB (visible waterline length approximately 320 feet).
9. Unidentified SS (visible waterline length approximately 265 feet).
This submarine appears to have a small sail amidships; however, obliquity, contrast, and sun reflection preclude a more definite interpretation.
10. Three "R/W" Class SS (visible waterline length of each approximately 245 feet).
11. "R/W" Class SS (visible waterline length approximately 250 feet).
12. Small Oiler (visible LOA approximately 155 feet).
The bow of this vessel is in the shadow of a DON Class AS (see Annotation 15 below).
13. Probable "W" Class SS (visible waterline length approximately 245 feet).
Identification is based on curved sponson immediately abaft the sail.
14. Unidentified Submarine.
No measurement can be made on this submarine since it is partially obscured by a DON Class AS at Annotation 15; however, it does appear to be larger than the probable "W" Class SS moored outboard at Annotation 13.
15. DON Class AS (LOA approximately 460 feet).
This vessel is different from the standard DON class AS in that the "3.9 inch" gun mounts have been removed and a helicopter platform has been added on the stern.
16. "Z" Class SS (visible waterline length approximately 295 feet).
17. Three Submarines (from east to west).
One "Z" Class SS, one "F" Class SS, and one "F/Z" Class SS. The visible waterline lengths of each of these three submarines is approximately 295 feet. The fixed snorkel exhaust and the bow sonar dome are visible on the "F" Class SS.

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18. Small Cargo Vessel (LOA approximately 180 feet).
This stack-aft vessel has an approximate 30-foot raised one and an approximately 75-foot raised three hull profile. No cargo hatches were visible.
19. SKORYY Class AGT (LOA approximately 390 feet).
All guns and the forward torpedo tubes have been removed.
20. Small Yard Oiler (LOA approximately 140 feet).
21. BOLVA Class APL (LOA approximately 365 feet).
22. "E-II" Class SSGN (visible waterline length approximately 385 feet).
The forward missile launchers are elevated on this submarine.
23. "N" Class SSN (could not be measured).
The bow of this submarine is partially obscured by an unidentified vessel (see Annotation 24).
24. Unidentified Vessel (LOA approximately 95 feet).
The superstructure and stack are positioned amidship.
25. "E-I" Class SSGN (visible waterline length approximately 365 feet).
Only two sets of exhaust deflectors are visible aft of the sail.
26. "E-I" Class SSGN (visible waterline length approximately 365 feet).
The forward missile launchers are elevated on this submarine. Only two sets of blast deflectors are visible aft of the sail.

KEY TO FACILITY ANNOTATIONS ON FIGURE 3

- A. Pier Approach Under Construction.
At present this approach lacks the security noted at the three piers located to the east.
- B. Building Under Construction.
The approximate dimensions for this building are 140 by 60 feet. Approximately 60 feet of the building has a second floor or a roof in place.

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PETROPAVLOVSK NAVAL BASE TARYA BAY

PETROPAVLOVSK, USSR
52-55N 156-34E
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FIGURE 3

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IMAGERY ANALYSIS SERVICE

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FACILITY : PETROPAVLOVSK NAVAL BASE SELDEVAYA BAY
LOCATION : PETROPAVLOVSK, USSR
GEO COORDS: 52-54N 158-30E

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KEY TO NUMBERED ANNOTATIONS ON FIGURE 4

1. Possible SS (could not be measured).
This vessel is possibly grounded and appears to be broken just aft of the area where the sail would be positioned. The possible bow is well tapered and is positioned toward the shore.
2. Floating Dock.
Approximate dimensions for this dock are as follows: LOA of the walls - 420 feet; maximum outer width - 110 feet; inner dock width - 75 feet.
3. Possible Tug (LOA approximately 105 feet).
A life boat is positioned amidships and to the starboard of the stack.
4. Unidentified Vessel (LOA approximately 160 feet).
A small deck house is positioned amidships.
5. Unidentified Cylindrical Object (approximate diameter 65 feet).
This object is similar in size and dimensions to the cylindrical object observed at the Vladivostok Shipyard 202, Vladivostok, USSR (43-07N 131-55E). The cylindrical object at Vladivostok was located to the east of the Seldevaya Bay. Each of the objects appears to have a heavy outer lip and a center cavity having a diameter of approximately 15 feet. Six dome-like objects are placed in the cavity and are elevated above the outside ring on the Vladivostok coverage. Only three of the dome-like structures are visible at Seldevaya Bay with the rest covered. A second possible cylindrical object may have been under construction on the quay at Vladivostok.
6. Two Tugs (LOA of each approximately 115 feet).
Identification of each is based on the overall configuration and location of the deck house.
7. Possible "Z" Class SS (LOA approximately 290 feet).
Identification is based on the overall length, configuration and position of the sail, location of bow diving planes, and pointed bow. There appears to be scaffolding ringing the submarine.
8. Floating Crane (approximate platform dimensions 100 feet by 100 feet).

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9. Modified SKORYY Class DD (LOA approximately [REDACTED])
This identification is based on hull shape, location of gun mounts, life boat placement, and the absence of the forward set of torpedo tubes.
10. VODA Class Distilling Ship (LOA approximately 270 feet).
11. KOTLIN Class DD (LOA approximately 415 feet).
12. DON Class AS (LOA approximately 465 feet).
13. PRUT Class ASR (LOA approximately [REDACTED])
14. RIGA Class DE (LOA approximately [REDACTED])
A small unidentified structure is in the position previously occupied by the number two gunmount. This structure is approximately the same size as the rocket projectors located slightly aft and just outboard of it.
15. Probable Modified KOTLIN Class DD (LOA approximately 415 feet).
The aft torpedo tubes are missing and two ASW Rocket Launchers are located just forward of the bridge.
16. Unidentified Auxiliary/Merchant Vessel (LOA approximately 450 feet).
This vessel has a raised 1-2 hull profile and a sharp tapered bow. The superstructure does not extend to the stern of the vessel. The stack is in the after third of the ship and has three lifeboats positioned to both port and starboard of it. No hatches are observed forward of the superstructure.
17. "F/Z" Class SS (visible waterline length approximately [REDACTED])
18. Five Small Vessels.
These vessels are identified (from north to south) as: "SO-1" Class SC (LOA approximately [REDACTED]) "T-43" Class MSF (LOA approximately 190 feet); unidentified vessel (LOA approximately [REDACTED]) two unidentified two-hatch barges (LOA of each approximately 150 feet).
19. Unidentified Vessel (LOA approximately 125 feet).
20. Floating Crane.
21. Transporter Dock.
Approximate dimensions for this dock are as follows: inside length - 355 feet; maximum outer width - 75 feet; inner width [REDACTED]

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IMAGERY ANALYSIS SERVICE

This dock is occupied by a "G" Class SSB with a length of approximately 320 feet. The number three missile tube and the opening for the retractable snorkel exhaust on the "G" Class are visible. Possibly all three of the missile canopies are open to the port side.

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22. Unidentified AG (LOA approximately [REDACTED])
This vessel appears to have a hull outline similar to the "PM 124" Class YRSN; however, the superstructure, position of the stack, and the location of the cranes differ. This vessel appears to have two cranes forward, superstructure amidships, a stack just abaft the superstructure, and a deckhouse aft. Similar vessels have been observed at the Guba Sayda Submarine Base, Guba Sayda, USSR (69-15N 033-20E); the Petrovka Shipyard, Petrovka, USSR (43-07N 132-21E); and the Guba Litsa Submarine Base, Guba Litsa, USSR (69-27N 032-27E).

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23. Possible APL/YR (LOA approximately [REDACTED])
This vessel has a slightly rounded bow and stern, a stack aft, and a long superstructure which starts just aft of the bow and continues to within approximately 20 feet of the stern with only one small interruption.
24. Two Probable Piledrivers.
This identification is based on the vertical position of the support structures which guide the small driver.

KEY TO FACILITY ANNOTATIONS ON FIGURE 4

- A. Building Under Construction (approximate dimensions [REDACTED])
- B. Building Under Construction (approximate dimensions 235 by 70 feet). Approximately 170 feet of the building has a roof or a second floor in place with the foundation for the remaining part of the building completed.
- C. Pontoon Structure.
Imagery which may equate to piping appears to be located along the pontoons. This operation is probably associated with the land-fill taking place in this entire area.

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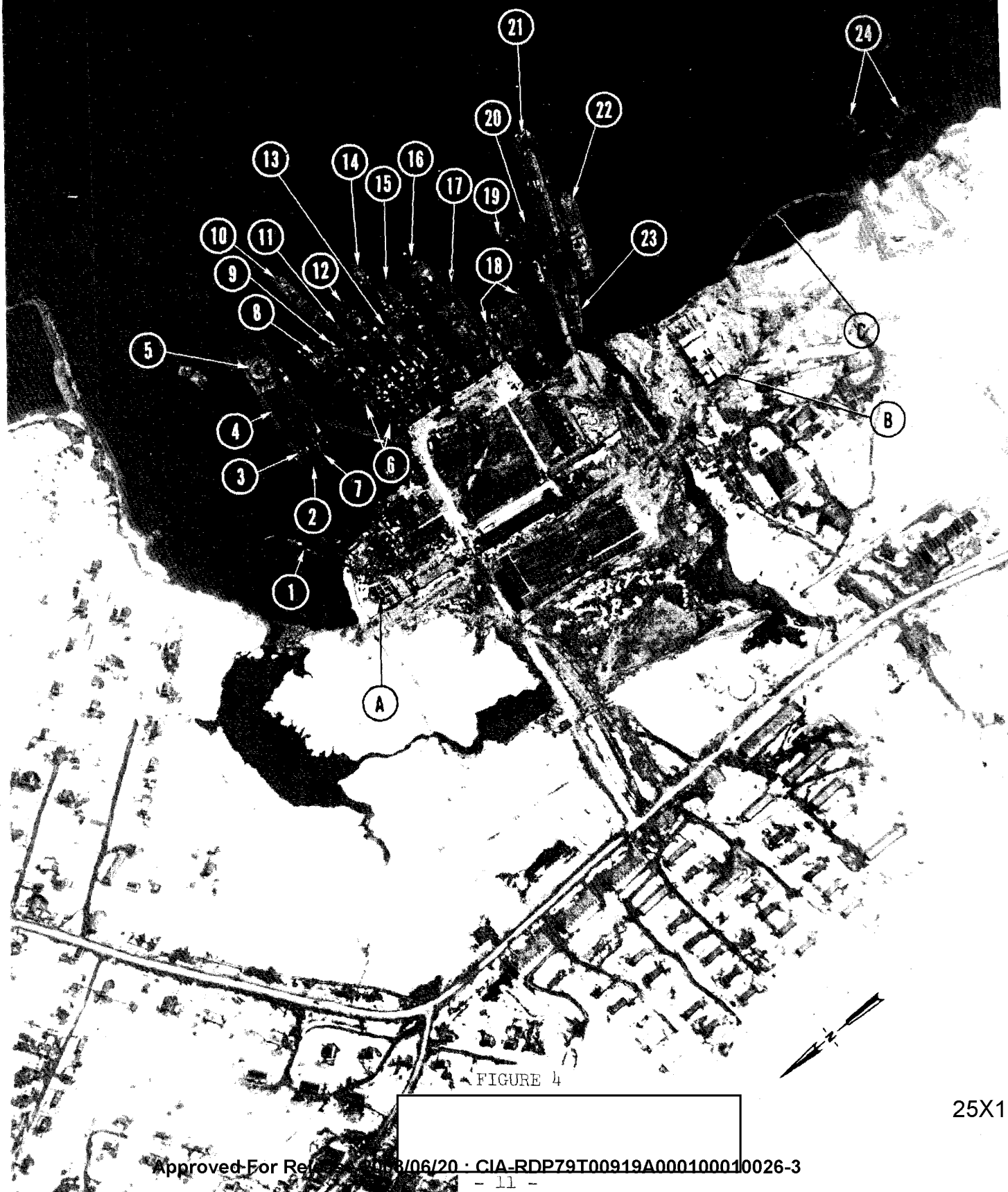
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PETROPOLYANSKY, USSR
52-54N 158-30E

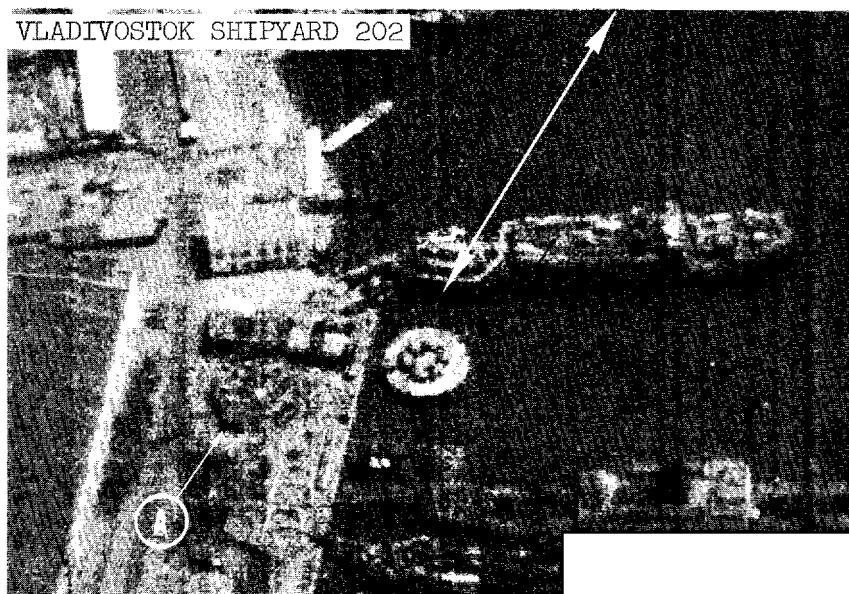
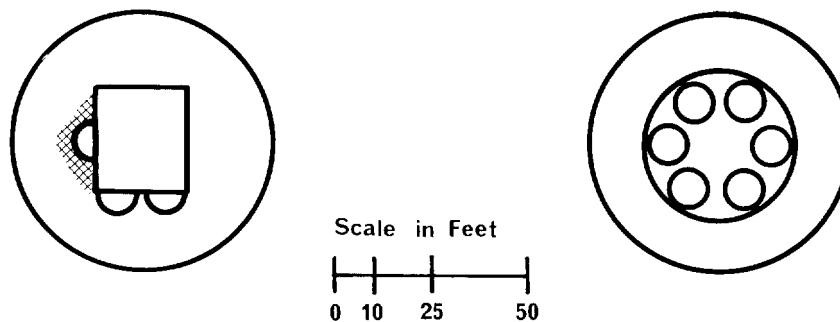


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FIGURE 5

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IMAGERY ANALYSIS SERVICE

FACILITY : NEW PIER AREA, SELDEVAYA BAY
LOCATION : PETROPAVLOVSK, USSR
GEO COORDS: 52-54N 158-30E

KEY TO NUMBERED ANNOTATIONS ON FIGURE 6

1. "PM-124" Class YRSN (approximate length 310 feet).
Identification is based on the superstructure placement, position of the stack, lifeboats, and large forward mast.
2. Two Barges (each approximately [REDACTED])
Both barges have two hatches with a small superstructure aft.
The number two hatch on the inboard barge is open.
3. ZEYA Class YRSN (approximate length [REDACTED])
Identification is based on the depressed center section, small raised superstructure areas on either hull extremity, and offset black line amidships.

KEY TO FACILITY ANNOTATIONS ON FIGURE 6

- A. Pier Approach Under Construction.
- B. Two New Piers.
The easternmost pier is a series of pontoons while the western pier is a single pontoon extending out from the approach.

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NEW PIER AREA, SELDEVAYA BAY

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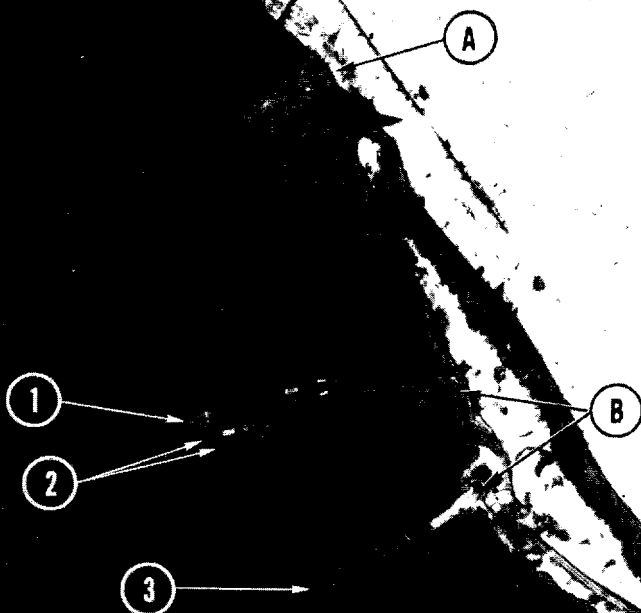
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52-54N 158-30E

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FIGURE 6

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IMAGERY ANALYSIS SERVICE

FACILITY : PETROPAVLOVSK KAMCHATSKIY SHIPYARD 412
LOCATION : PETROPAVLOVSK, USSR
GEO COORDS: 52-58N 158-45E

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KEY TO ANNOTATIONS ON FIGURE 7

1. Three Lighters (LOA approximately 80 feet).
At least two have a small poop deck aft.
2. Floating Crane.
3. Possible Pontoon.
No deckhouse or structures are visible.
4. Small Barge (LOA approximately [REDACTED])
This barge has two raised hatches amidships.
5. Two Small Vessels and a Floating Crane (from east to west).
The two small vessels are stack-aft with a mast forward.
6. Four Unidentified Vessels.
The middle vessels have a stack-aft and a raised forecastle.
7. Four Unidentified Vessels (LOA of each approximately 110 feet).
8. Four Unidentified Vessels.
All four vessels have a stack-aft. The inboard and outboard vessels may have piping extending along approximately half of the ship's longitudinal axis.
9. Four Unidentified Vessels.
10. Unidentified Vessel (LOA approximately 225 feet).
This vessel has a square superstructure forward with at least two lifeboats positioned along both the port and starboard side.
11. Unidentified Merchant Ship in a Floating Dock (LOA approximately 300 feet).
This ship has a raised 1-2-3 hull profile with a stack amidships.
The rough dimensions of the dock are: length of walls - 320 feet; exterior width - 100 feet; inner width - 70 feet.
12. Floating Dock.
Rough dimensions for this dock are: length of walls - 350 feet; exterior width - 110 feet; inner width - 80 feet. This dock is occupied by a small stack-aft merchant ship, an unidentified small stack-aft vessel, and three possible tugs.

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IMAGERY ANALYSIS SERVICE

13. Two Possible "Z" Class SS (apparent waterline length of each - 285 feet).
Both submarines have a raked bow and a gentle tapering stern.
14. Probable Floating Workshop (LOA approximately 235 feet).
This vessel appears similar although shorter in length to the DVINA Class YR in both the general hull shape, superstructure and stack placement.
15. Possible "W" Class SS (rough waterline length [REDACTED])
16. Unidentified Merchant Ship (rough LOA - 280 feet).
This vessel has a raised 1-2-possible 3 hull profile with a large mast forward and aft. Only two raised hatches are visible aft; however, poor quality photography precludes more detailed analysis.
17. Unidentified Merchant Ship (LOA approximately 240 feet).
This stack-aft vessel appears to have three hatches with a possible off-loading device positioned between the number 1 and 2 hatches and offset slightly to starboard.
18. Two Unidentified Vessels (approximate length of each - 125 feet).
Both vessels are stack-aft and have a raised forecastle.
19. Unidentified Merchant Ship (approximate LOA - 285 feet).
This vessel has a raised 1-long 2-3 hull profile. A stack is positioned amidships with six life boats, three to port and three to starboard. This vessel has a mast forward and aft but no hatches are visible.
20. Unidentified Small Vessel (LOA approximately 125 feet).
21. Unidentified Probable Merchant Ship (could not be measured).
22. Probable Barge.
23. Unidentified Vessel.
24. Three Possible Lighters on Quay.
25. Two Possible Lighters and Other Small Vessels on Quay.

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PETROPAVLOVSK KAMCHATSKIY SHIPYARD 412

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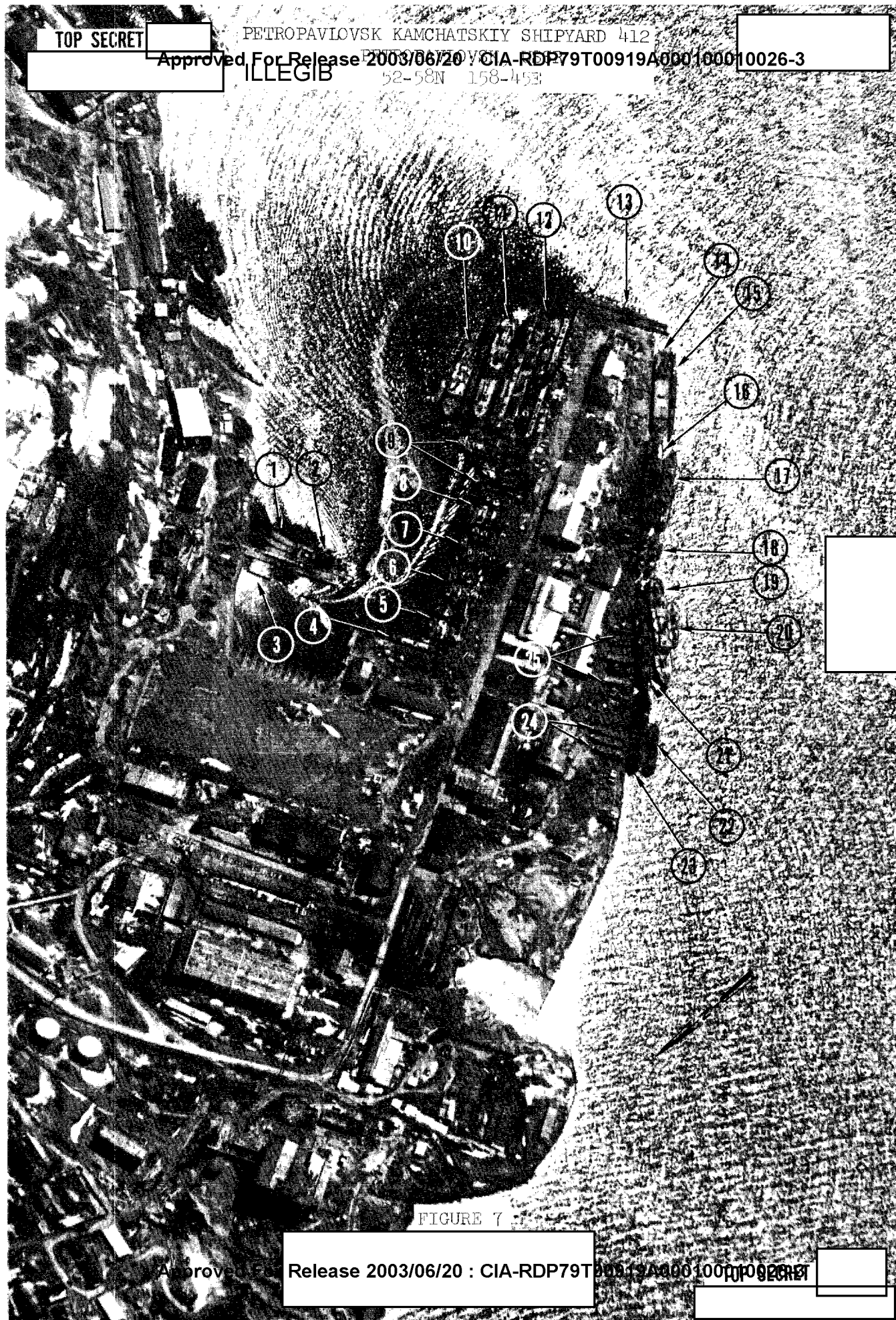


FIGURE 7

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2. CIA. PIR-77067, Guba Sayda Submarine Base, Guba Sayda, USSR, [redacted] September 1967 (TOP SECRET [redacted])

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